2017-18.

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100ಪ 425100 ಕ

Executive Engineer
Vyanasthira Division
Anka Zone, B.B.M.P.
Bangalore-560092

09/11

I St And Final Bill

Work code - 006-18-000091

M. A. R. 57 (Rule 116)
Measurement Book

No. B Est Cost Rs. 20.00 Lacs

Serial No. .....

Name of Work Drilling & New Borewell And Instaling Pump Motor And Providing Pipe Line From ..... To in Ward No. 06 425001

Name of Contractor of nature of Agency Byatarayanapura Sub division.

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name & Contractor - Sri Mathuraj. H.N. M/S Kranthi Electricals Thirumala Complex. D V G Road. Bagepalli - 561207. Work order No. - BBMP/EE/BTP/WO/36/2018-19 Date. 17.07.2018						
	(1) Geophysical investigation & site for sinking borewell for supplying drinking water to the habitation either through the hand pump MWS or PWSS by vertical electrical sounding by adopting Verner or Schlumbergers method including reconnaissance						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Geneeay & Geological investigation & exisgeing ground wate inticinity its quality and acceptability & the ugent indicating the location & size recommended depth of casing pipe reauired to seal the top rencongolidated & including an expra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe depth & drilling reaured to convenient depth of barrier including and accessories to complete engaging technical person And Cabour reauired etc.. Complete.						
	① Hegadenagara 2nd cross	1	–	–	–	1	
	② Thanisandra (Venugopal Swamy temple) Rate - 1936 : 00	1	–	–	–	1	3872 : 00
						2 NOS	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
②	Sinking of bonew ulic sig & Cala all Standa incluc pipe coleens and welding incluc Crew Charges a Gred fessing of & Compressor Ser Coleens Complete.

Contents 7	Reference to last Measurement 8
& existing ground water ability of the users recommended depth & recommended and consolidated formation pm & drilling reamed & transportation & custom & technical person	
	1
	1
	2 NOS. 3872:00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425002

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(2)	Sinking of tonewell 8165 mm dia clear using super fast hydra-ulic rig of capacity 200 PSI and above 900 CMF and above in all strata including over burden upto 20 m sinking & casing pipe coering and cap with necessary coring threading and welding including transportation of rig and accessories crew charges and cost & consumables etc.. complete including fixed testing as per site condition with minimum working & compressor for one hour (excluding cost & casing pipes Coering complete.. Complete as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Hegadenagara 2nd cross	1	50.00	-	-	50.00	
	(2) Thanisandra Near Venkata Raghavaraya Temple	1	50.00	-	-	50.00	
						100.00	MTr
	Rate - 315:00						31500:00
(3)	50 to 100.00 MTr						
	(1)	1	50.00	-	-	50.00	
	(2)	1	50.00	-	-	50.00	
						100.00	MTr 41200:00
	Rate - 412:00						
(4)	100.00 to 150.00 MTr (1)	1	50.00	-	-	50.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature o
Date of commencement of wor

Date	Full description, etc,
1	2
	Rate - 45
(5)	150.00 to 200
	Rate - 484
(6)	200 to 250 M

Contents 7	Reference to last Measurement 8
50.00	
50.00	
100.00	MBr
	31500 : 00
50.00	
50.00	
100.00	MBr 41200 : 00
50.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425003

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(2)	1	50.00	-	-	50.00	
						100.00	MBr 45800 : 00
	Rate - 458 : 00						
(5)	150.00 to 200.00 MBr						
	(1)	1	50.00	-	-	50.00	
	(2)	1	50.00	-	-	50.00	
						100.00	MBr 48400 : 00
	Rate - 484 : 00						
(6)	200 to 250 MBr (1)	1	50.00	-	-	50.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2)	1	50.00	-	-	50.00	
						100.00 MW	
	Rate . 560:00						56000:00
(7)	250 to 300.00 MW						
	(1)	1	50.00	-	-	50.00	
	(2)	1	50.00	-	-	50.00	
						100.00 MW	
	Rate . 600.00						60000:00
(8)	300.00 to 320.00 MW						
	(1)	1	20.00	-	-	200.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(2)
	Rate - 622:00
(9)	Supplying & 131 M ERW casing Pipe continuous welded to IS 1387/1993 a Steel Strips in g conforming to IS 55

Contents 7	Reference to last Measurement 8
50.00	
100.00 MW	56000:00
50.00	
50.00	
100.00 MW	60000:00
200.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425004

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(2)	1	19.00	-	-	19.00	
						39.00 MW	24258:00
	Rate - 622:00						
(9)	Supplying & fix Mark 175 mm nominal bore medium black ERW casing Pipe & 5 mm thick black electric resistance continuous welded mild steel tube material conforming to IS 1387/1993 and manufactured from hot rolled steel sheet/strips in random length & 4 to 7 mtr & threading conforming to IS 554/1985 one end (including & accessories).						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	To be established through GI wire of size as per IS1 specification 7.3.3 & IS1 732 fixing 12 mm dia GI nuts washers and checknuts etc. complete shall have 16 mm dia holes & 12 mm dia.						
	①	1	–	–	–	1	
	②	1	–	–	–	1	
						2 Nos	3398:00
	Rate - 1699:00						
34	Supply and fixing L.T. cast iron pot heads suitable for 1.1 kv grade 16 sq mm XLPE cable fixed with necessary fasteners / insulating compound compress type brass glands brass nuts and washers etc. complete.						
	Rate - 1300:00						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	①
	②
	Rate - 271:00
35	Supplying sui... 400/440 volts ... Maneuvering capa...
	①
	②
	Rate - 1300:...

OOK

Depth 6	Contents 7	Reference to last Measurement 8
		...ype & size as per ...ssing 12 numbers bolts ...ne pipe shall have
–	1	
–	1	
	2 Nos	3398·00
		...on post heads substation ...ase fixed with necessary ...nd compress connection ...ess. Compress.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425015

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	①	1	–	–	–	1	
	②	1	–	–	–	1	
	Rate · 271·00					2 Nos	542·00
35	Supplying & mounting capacitor bank conforming to IS 2834 3 Phase 400/440 volts grade for power factor improvement & reading measuring capacitors in kVAR reading MFM (MFR)						
	①	1	–	–	–	1	
	②	1				1	
	Rate · 1350·00					2 Nos	2700·00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(36)	Providing and fixing ISI marked brass wheel valve conforming to IS Specification & approved make of required dimension including all cost and expenses complete as per direction.						
	(1)	3	-	-	-	3	
	(2)	3	-	-	-	3	
						6 Nos	9090:00
	Rate · 1515:00						
(37)	Supplying and fixing 3 polished wood board shall be 8 nos less than 15 mm thick planed on both sides with planed made out of more than 2 pieces at Rate						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	the same to wall Screws etc. Size
	(1)
	(2)
	Rate · 311:00
(38)	Earthwork excav Supply Sanitary or in trenches 1·0

Contents 7	Reference to last Measurement 8
Case Wheel Valve	
approved make as p	
esen Compress	
3	
3	
6 Nos	9090:00
d wood board made	
ue on sonside	
nen 2 Pieces at Rs	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425016

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	The same to wall using fastened inversed Screws ese.- Size 20x20x2.5 inches.						Wooden Plugs
	(1)	1	-	-	-	1	
	(2)	1	-	-	-	1	
	Rate - 311:00					2 Nos	622:00
(38)	Earthwork excavation for foundation & buildings ... Supply Sanitary Cores and electrical Conduits ... or in trenches 1.5 M or above in width in hard soil not ...						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	exceeding 1.50 mtr depth including dressing the bottom and sides of Pits and trenches shoveling the excavated soil clear from edges & excavation with lead upto 50 m, ass lifting & loading Complete as per specification.						
	As Per Pre. Measurments recorded vide page no.. 425065 to 425068 in this MB.					625.00 m^3	83504:25
39	Rate · 133:00						
	Providing and installing as per site & work 63 mm (O.D.) Pre Pipes @ 6 kg/cm2 including cost & Pipes and Specials and labour including lowering in to trenches laying pipes						

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc,
1	2
	Line level
	jointing &
	charges incl
	then 15 cms
	excavation
	As Per P
	No.. 425
	Rate · 36

Contents 7	Reference to last Measurement 8
ng dressing the bottom cleaning the excavated with lead upto joint per specification. corded vide in this MB. 625.00 m^3 83504:25 & work 63 mm (C.I. & Pipes and Specials fferences layingpipes	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425017

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	line level and perfect jointing & approved type with all incidentals including encasing the pipe all round to a depth not less than 15 cms with gravel or selected earth all complete from the excavation etc.. complete. As Per Pre. Measurements recorded vide Page No. 425068 to 425071 Rate · 364 : 01					1390.00 Mtr 505973:20	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
40	Refilling available earth around pile line cases in layers not exceeding 20cms in depth compacting earth deposited layer by ramming after watering with lead upto 50 mtr and with up to 1.50 mtr including cart & one lagan. Complete as per specification.						
	@ measurement vide item no. 38					625.50 m^3	19484:32
	Rate - 31:15						
41	BESCOM Deposits charges.						
	Application charge	2	x 100:00				200:00
	BESCOM Deposit charge	2	x 10390:00				20780:00

CPFC 2025 dtd 15/11/2018

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	Meter charge GST 18%	
	Certificate.	
	(1) Certified	
	(2) This bi & Previ	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
...nd Pile Line Cutting		
...h deep Compacting en...		
...ssed Watering with		
...so M/V including cart &		
...carriage.		
8)	625.50 M³	19484 : 32
		200 : 00
: 00		20780 : 00

M. A. R. 57 (Rule 116)
Measurement Book

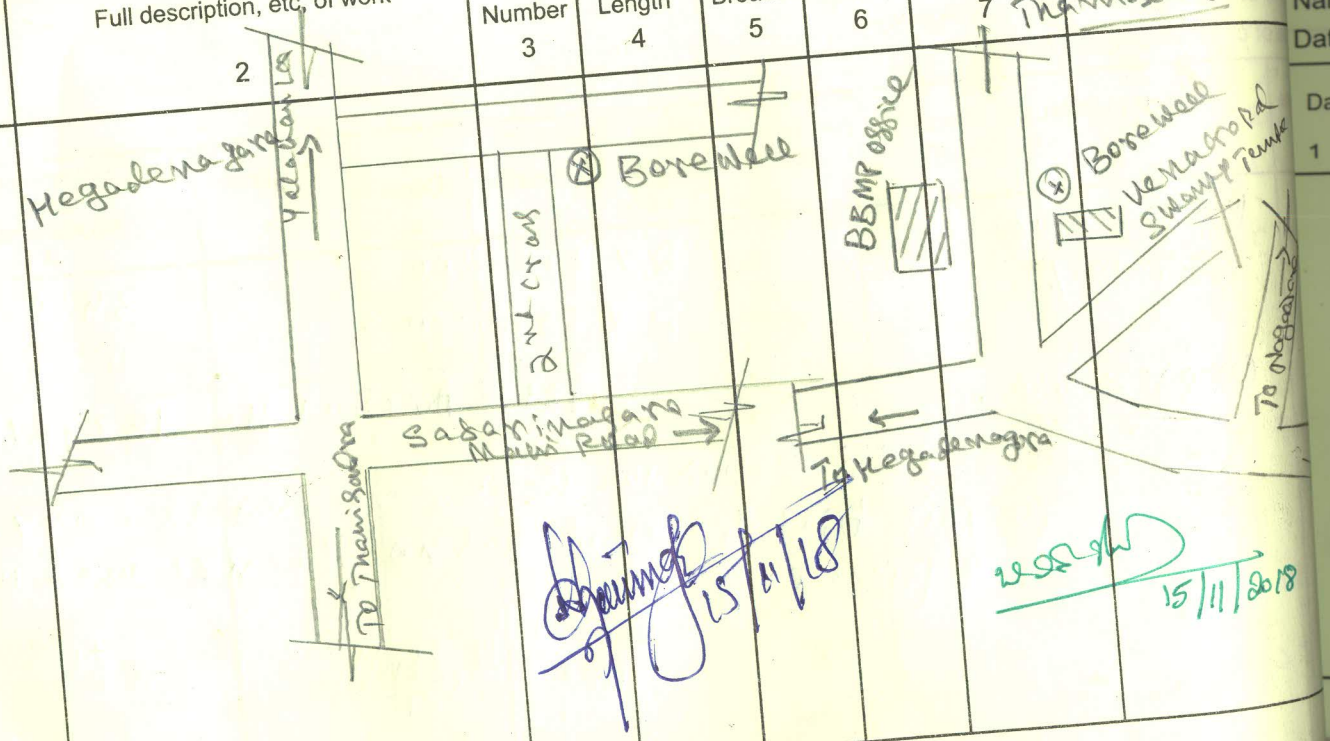
No. B 425018

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Meter change		2 x	1730 : 00			3460 : 00
	GST 18%		2 x	2280 : 00			4560 : 00
				Total Amount Rs.			1839867 : 00
	Certificate.						
	(1) Certified that the work done satisfactory.						
	(2) This bill amount has not been claimed in any of previous bill						
							15/11/2018

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7 Thanisandra	8



Serial No. .....
Name of Work ...
Name of Contrac
Date of commen

Date	Fuli
1	